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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 10th March 1979

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

2nd February, 1979

104/Cal/79. Sri Sunanda Dhar. A circuit attachment for improved semiconductor type testing and resistivity measurement using conventional four-probe semiconductor resistivity measuring instrument.

105/Cal/79. Zellweger Uster Ltd. A method and an apparatus for continuously measuring or controlling the cross-section of slivers.

106/Cal/79. Fritz Buser AG. Maschinenfabrik. Method and apparatus for controlling the amount of ink applied to a product surface by a screen printing machine.

3rd February, 1979

107/Cal/79. Dana Corporation. Coupling device with spring damper.

108/Cal/79. Burroughs Corporation. Adjustable magnetic bias field structure for magnetic bubble devices.

5th February, 1979

109/Cal/79. Eurographics Holding N. V. Metallization process.

110/Cal/79. The Upjohn Company. Organic compounds and process.

6th February, 1979

111/Cal/79. Fives-Cail Babcock. Improvements in vertical grinding mills of the runner or ball type.

112/Cal/79. BASF Aktiengesellschaft. Pyridazone compounds.

113/Cal/79. R. H. Abplanalp. An aerosol valve housing.

114/Cal/79. Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Improvements in or relating to travelling track-tamping machine.

7th February, 1979

115/Cal/79. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Method and apparatus for producing a bound yarn.

116/Cal/79. Minnesota Mining and Manufacturing Company. Complex salt photoinitiator.

APPLICATION FOR PATENTS FILED AT THE (DELHI BRANCH)

11th January, 1979

17/Del/79. H. A. Rubens and D. L. Bashford. Voltage controlled attenuator.

18/Del/79. Bayer Aktiengesellschaft. Process for the preparation of boron-containing phenol-formaldehyde resins.

12th January, 1979

19/Del/79. R. Singh. An irrigation sprinkler.

20/Del/79. Council of Scientific and Industrial Research. A process for the preparation of new yellow benzanthonyl triazine disperse dyes for synthetic fibres. [Divisional date April 16, 1977].

21/Del/79. Thyroid Diagnostics, Inc. A method of detecting a characteristic of a sample. [Divisional date June 22, 1977].

22/Del/79. Toyo Engineering Corporation. Transportable bed for industrial equipment.

16th January, 1979

23/Del/79. Flogates Limited. Improvements relating to the control of molten metal flow.

24/Del/79. Lettera Arabica S.a.r. l. Set of signs to compose texts in arabic letters by their juxtaposition

25/Del/79. Toyo Engineering Corporation. Process for preparation of gases from heavy oils.

26/Del/79. Shell Internationale Research Maatschappij B. V. A process for the preparation of an aromatic hydrocarbon mixture.

27/Del/79. Lettera Arabica S.a.r. l. Method for the composition of texts in arabic letters and composition device.

17th January, 1979

28/Del/79. Mr. B. Krishna, Mr. C. Jayaraman, Mr. T. Sairam, Mr. D. Apparao and Mr. M. Anandam. An air brake system for locomotives.

18th January, 1979

29/Del/79. Council of Scientific and Industrial Research. Improvements in or relating to the construction of granular piles.

30/Del/79. Council of Scientific and Industrial Research. A retrievable foundation.

31/Del/79. K. C. Jain. A coated paper.

32/Del/79. K. C. Jain. A process for the manufacture of coating paper.

33/Del/79. K. C. Jain A coated paper.

19th January 1979

34/Del/79. The Chief Controller Research & Development, Ministry of Defence, Government of India. The process for the preparation of elastopolymer used as rocket propellant inhibitor

35/Del/79. J. N. Sindhwani. Generation of eternal motive force.

36/Del/79. Tioxide Group Limited. Containers. (February 23, 1978).

37/Del/79. Imperial Chemical Industries Limited. Electric device. (February 1, 1978).

22nd January, 1979

38/Del/79. G. C. Jain. Cold Pressure butt welder.

39/Del/79. FMC Corporation. Process for preparing a herbicidal 1, 3-dioxane. [Divisional date July 11, 1977].

40/Del/79. Asea Aktiebolag. Method of splicing a cable with an insulation of cross-linked polyethylene or another cross-linked polymer.

23rd January, 1979

41/Del/79. Societe Internationale DE Macanique Industrielle S.A. Mechanical seal.

APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH)

28th November 1978

342/Bom. 78. V. P. Mane. Electronic thromostat.

29th November 1978

343/Bom/78. C. N. Soni. Diamond lapping.

1st December 1978

344/Bom/78. S. M. Mondkar. A novel direction or flow reversal valve.

6th December 1978

345/Bom/78. F. M. D'Souza. A pilfer proof cap made of plastics or the like material.

346/Bom/78. D. More. An improved apparatus for cleaning grains.

347/Bom/78. Ion Exchange (India) Limited. Process for preparing anion exchange resin.

348/Bom/78. Ion Exchange (India) Limited. Process for preparation of crosslinked porous ter-polymer.

349/Bom/78. Ion Exchange (India) Limited. Apparatus for separation of oils from liquids containing oil.

8th December 1978

350/Bom/78. M. C. Gandhi. Tennis-elbow splint.

12th December 1978

351/Bom/78. Cummins Engine Company, Inc. An Aftercooler assembly for internal combustion engine for diesel engines.

352/Bom/78. Dynacraft Machine Company Limited. An electromechanical coupling system for preventing a mechanical device from operating beyond preselected operating parameters.

353/Bom/78. V. G. Konnur. Development in electric light fittings.

354/Bom/78. Rathi Industrial Equipments Co. (P) Ltd. Turbo grinding machine.

355/Bom/78. Accoustics Engineers. Improvements in or relating to microphones and microphone stands.

13th December 1978

356/Bom/78. Mrs. Aruna Kumar. A combination lock for use in a door, cupboard or the like.

15th December 1978

357/Bom/78. P. R. Katvi. An improved mouse trap.

358/Bom/78. J. B. Deshmukh. Rotary reciprocating engine.

APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

17th January 1979

6/Mas/79. Indian Institute of Technology. Improved cement concrete.

23rd January 1979

7/Mas/79. S. Gopalakrishnan. A device for controlling the power transmitted by fluid couplings and torque converters.

24th January 1979

8/Mas/79. The Reactor Research Centre. Department of Atomic Energy (A Government of India Organisation). A novel simple pipetter suitable for remote operations.

9/Mas/79. B. L. Padmaraj. Improvements in or relating to multiple filament in domestic and Industrial electric lamps.

27th January 1979

10/Mas/79. L. P. R. Nityanand. Improvements in or relating to reduction of iron ores.

11/Mas/79. S. Gopalakrishna Iyer. Further details and modifications in new design wet grinder.

12/Mas/79. J. A. Prasad. Capacity increasing attachment for pressure cookers.

13/Mas/79. K. C. Bhatt. Life extender.

29th January 1979

14/Mas/79. K. Viswanathan. Electric Sprinkler

15/Mas/79. V. Bhaskeran Nair. Two speed crank system in bicycle.

30th January 1979

16/Mas/79. The South India Textile Research Association. Device to feed yarns at controlled rates to the knitting elements in circular knitting machines.

17/Mas/79. Industrial & General Products. A method and a device for manufacturing metal jacketed gaskets.

18/Mas/79. M. Kandasamy. Mobil rickshaw.

31st January 1979

19/Mas/79. A. R. Fernandez. An automatic brake for Railway in addition to my automatic trailer braking device patented by me No. 104225/66.

1st February, 1979

20/Mas/79. P. A. Muthusamy. A grinder.

3rd February, 1979

21/Mas/79. Prof. S. V. J. Lakshman & P. Jayaram Naidu. An instrument fabrication of direct reading comparator.

ALTERATION OF DATE

146145.
329/Cal/77.

Ante-dated 3rd February, 1976.

146150.
795/Cal/78.

Ante-dated 29th January, 1977.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect or each application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The Classifications given below in respect of each specification are according to Indian Classification and Internation Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Roy, Road, Calcutta in due Course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specification should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 120B². 146140.

Int. Cl.-F16n 13/00.

OIL LUBRICATING DEVICE.

Applicant : FUJI-TOYUKI CO. LTD., AT 1217 HAYASHI-CHO, TAKAMATSU-SHI, KAGAWA-KEN, JAPAN.

Inventor : KIROKU HIRATA.

Application No. 175/Bom/76 filed June 4, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

10 Claims.

An oil lubricating device which comprises a holder; a main body, one side of which is connected to the holder and the other side of which is provided with a hollow cylindrical stationary shaft; an oil metering pump within the main body; a rotatable shaft loosely inserted into the hollow cylindrical stationary shaft of the main body to actuate the oil metering pump; an oil lubricating wheel assembly including an oil lubricating wheel rotatably and concentrically mounted on the stationary shaft, circular engaging portions provided on both sides of the oil lubricating wheel, an end plate concentrically disposed at the free end of the rotatable shaft of the main body and provided on the peripheral edge with an annular rim whose inner peripheral wall engages the periphery of that of the circular engaging portions of the oil lubricating wheel which is positioned at the free end side of the rotatable shaft, a boss rotatably and concentrically mounted on the stationary shaft between the main body and oil lubricating wheel and provided on the peripheral edge with an annular rim whose inner peripheral wall engages the other circular engaging portion of the oil lubricating wheel, and coupling means for connecting together the end plate, oil lubricating wheel and boss; oil intake passage means for conducting lubricating oil to the oil metering pump; and oil discharge passage means for conducting lubricating oil from the oil metering pump to the oil lubricating wheel.

CLASS 86E. 146141.

Int. Cl.-A47c 29/00.

MOSQUTTO HOOD.

Applicant & Inventor : PURUSHOTTAM VISHWANATH SAHASRABUDHE, 'KAILAS KUNJ', GANAPATI CHOWK, AGRA ROAD, KALYAN (421 301) DIST, THANA, MAHARASHTRA STATE, INDIA.

Application No. 294/Bom/76 filed August 24, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim.

Mosquito hood comprising a folding frame work and a mosquito net to conform the shape of the said frame work, characterised in that the said frame work is formed with the help of pluraltiy of arched components consisting of rods and elbow joints, the said arched components are articulately hinged to a pair of central hub, such that the said frame work can be folded around the said central hub to form into a compact unit of folded mosquito net.

CLASS 195C. 146142.

Int. Cl.-F16k 31/00.

AN AUTOMATIC FLAP VALVE FOR USE AT THE PORT HOLE OF A SLOTTED PIPE USED IN A RADIAL COLLECTOR WELL.

Applicant & Inventor : JEHANGIR ARDESHIR TARAPOREVALA, OF PANORAMA, WALKESHWAR ROAD, BOMBAY-400 006, MAHARASHTRA, INDIA.

Application No. 332/Bom/76 filed September 25, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims.

An automatic flap valve for use at the port-hole of a slotted pipe used in a radial collector well, said flap valve comprising a circular plate one end or top end whereof is pivotally supportable at the top part of an angle flange of the port hole so that when released, it can swing down and about the port hole; an elongate lever arm pivotally supported at its one end or top end on another end or lower end of said circular plate remote from said one end or top end of the circular plate, said lever arm being provided at the said one end or top end thereof with a locking shoulder for engaging the lower part of said angle flange of the said port hole when the circular plate swings down and abuts the port hole

CLASS 98-I. 146143.

Int. Cl.-F24j 3/02.

A PROCESS FOR THE MANUFACTURE OF SOLAR BASKET AND A SOLAR BASKET PRODUCED THEREBY' THEREOF.

Applicant & Inventor : MATTHIAS VON OPPEN INTERNATIONAL CROPE RESEARCH INSTITUTE FOR THE SEMI ARID TROPICS, 1-11-256 BEGUMPET, HYDERABAD, (A.P.), INDIA.

Application No. 231/Mas/76 filed November 26, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims.

A process for the manufacture of a solar basket for reflecting and concentrating solar energy to a single point or zone comprising the steps of applying papier mache over a wet surface of a mould, applying a basket over said papier mache and allowing the same to dry to form a solar basket, lining the inner surface of said basket with silver paper, said mould being prepared from a frame having an inner surface corresponding to that of half of a parabola, said frame being rotatably held to a rod and having a trailing edge disposed above the support surface in such a way that the rotatable movement of said frame imparts a paraboloid shape to a mould.

CLASS 69-I. 146144.

Int. Cl.-H01h 79/00.

POWER SWITCHING CIRCUIT.

Applicant : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM, ENGLAND.

Inventor : OWEN EDGAR WRIGHT.

Application No. 946/Cal/76 filed June 1, 1976.

Convention date June 4, 1975/(24065/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims.

A power switching circuit comprising a first supply rail, a first output rail, a plurality of power transistors having their collectors connected to one rail and their emitters connected by respective resistors to the other rail, characterised by a transformer having a plurality of windings in the emitter circuits of the respective transistors, the windings being arranged so that falling current in any one winding will cause falling current in the other winding or windings.

CLASS 32F$_1$ & F$_2$a. 146145.

Int. Cl.-C07c 131/00, 135/00.

PROCESS FOR THE PREPARATION OF NOVEL OXIME ETHERS.

Applicant : EGYT GYOGYSZERVEGYESZETI GYAR, OF 30, KERESZTURI UT, BUDAPEST X, HUNGARY.

Inventors : DR. ZOLTAN BUDAI, ARANKAR LAY NEE KONYA, TIBOR MEZEI, DR. KATALIN GRASSER, ENIKO SZIRT NEE KISZELLY DR. IBOLYA KOSOCZKY, AND DR. LUJZA ERDELYI PETOCZ.

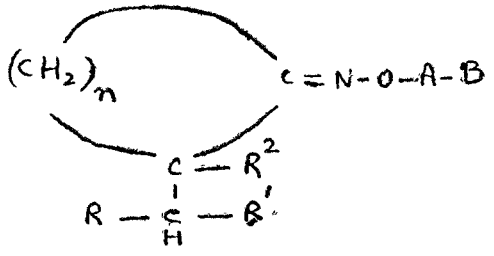
Application No. 329/Cal/77 filed March 4, 1977

Division of Application No. 195/Cal/76 filed February 3, 1976.

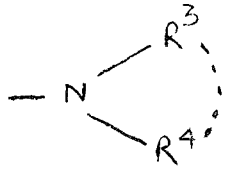
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

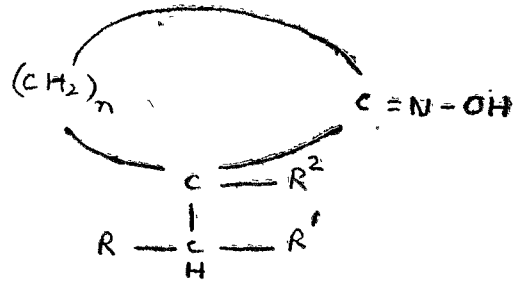
A process for the production of novel oxide ethers of the general formula I.



wherein R denotes a phenyl radical which may be substituted by a halogen atom or by one or more C_1-C_4 alkoxy, hydroxyl, nitro or di (C_1-C_3) alkyl) amino groups; R^1 and R^2 denote a hydrogen atom each or together a valence bond; A denotes an C_2-C_4 straight or branched-chain alkylene group; B denotes an amino or a di (C^1-C^4 alkyl) amino group or a group of the general formula II.



wherein R^3 and R^4 denote together a C_4-C- alkylene chain which may contain also a further oxygen or nitrogen heteroatom and the latter may carry also a C_1-C_4 alkyl or a benzyl substituent, and n denotes an integer from 3 to 10, and their pharmaceutically acceptable acid addition salts characterized by reacting an oxime of the general formula III.



wherein R, R^1, R^2 and n have the same meaning as above, with a halogen alkylamine derivative of the general formula IV.

Hal — A — B

wherein A and B have the above-specified meanings, and Hal denotes a halogen atom, in an inert solvent in the presence of a basic condensing agent such as herein defined and, if desired converting in a known manner the obtained compound of the general formula I into a therapeutically tolerable acid addition salt.

CLASS 73 & 172F. 146146.

Int. Cl.-D01h 13/26, G01b 7/00.

APPARATUS FOR MEASURING IRRIGULARITIES IN THE CROSS-SECTION OF TEXTILE MATERIALS ESPECIALLY YARNS ROVINGS, BANDS AND THE LIKE.

Applicant : ZELLWEGER USTER LTD., OF WILSTRASSE 11, CH-8610 USTER (SWITZERLAND)

Inventor : PETER FELLER

Application No. 338/Cal/77 filed March 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

An apparatus for measuring the irregularities in the cross-section of textile materials, especially yarns, rovings, bands and the like, comprising : a measuring element for producing a textile material-irregularity signal for the textile material; amplifying- and signal converting circuit means operatively connected with said measuring element for producing a textile material-measuring signal from said textile material-irregularity signal; an indicator device for displaying the measured irregularities in the cross-section of the textile material; said circuit means containing a conductor carrying the textile material -measuring signal derived from the textile material-irregularity signal; a counter connected with said conductor for counting the passage of the textile material-measuring signal through at least one predetermined reference value; and at least one indicator means which, upon reaching a predetermined number of passes of the textile material-measuring signal through said at least one predetermined reference value, delivers at least one further signal.

CLASS 32E. 146147.

Int. Cl.-C08g 5/00, 37/06.

PROCESS FOR PRODUCING PARTICULATE RESOLES FROM AQUEOUS DISPERSION.

Applicant : UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

Inventor : JOHN WYNSTRA, SIDNEY JOSEPH SCHULTZ.

Application No. 472/Cal/77 filed March 29, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A process for producing a particulate solid, heat-reactive, substantially water-insoluble resole, which process comprises the steps of :

(a) reacting formaldehyde, a phenol as herein described, and an amine compound in an amount sufficient to import a hydrophobic character to the resole said amine compound being selected from the group consisting of hexamethylenetetramine, a compound containing amino hydrogen and mixtures thereof, in an aqueous medium in the presence of a protective colloid as herein described in an amount sufficient to promote the formation of an or stabilize a phenolic resin-in-water dispersion, for a period of time and at a temperature sufficient to produce an aqueous dispersion of a particulate solid, heat-reactive, substantially water-insoluble, thermosetting resole; and

(b) recovering by known method such as herein described said resole from said aqueous dispersion.

CLASS $62C_2$. 146148.

Int. Cl.-D06p 1/00.

PROCESS FOR THE FIXATION OF ORGANIC COMPOUNDS ON MATERIALS HAVING A FIBROUS STRUCTURE.

Applicant : HOECHST AKTIENGESELLSCHAFT, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

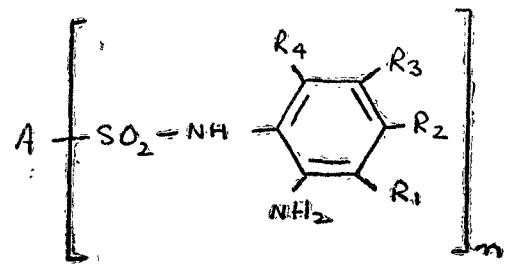
Inventors : ERICH FEESS, HARTMUT SPRINGER AND WILLY GRONEN.

Application No. 674/Cal/77 filed May 6, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for the fixation of organic compounds on materials having a fibrous structure as herein defined by applying the same in dissolved form on said structures characterized by the improvement that an organic compound of the formula XI.



wherein n is an integer of from 1 to 4, A is the radical of an organic compound selected from a group of compounds which have dyestuff properties or mothproof properties or water-repellent properties or optical brightening properties or a property to provide the fibrous material with a soft feel or flameproof finish or with a non-creasing property or which compounds increase the tinctorial power of dyestuffs in a dyeing process, R^1, R^2, R^3 and R^4 each represent a non-ionic, anionic or cationic substituent, with the exception of a primary or secondary amino group or the salts thereof is applied in dissolved form onto said materials and subsequently subjecting the organic compound thus applied to the action of nitrous acid.

CLASS $32F_{2a}$ 146149.

Int. Cl.-C07d 43/00, 57/08.

A PROCESS FOR THE PREPARATION OF A QUATERNARY DERIVATIVE OF SANDWICIN.

Applicant : KALI-CHEMIE PHARMA GMBH, OF POSTFACH 220, HANS- BOCKLER-ALLEE 20, D-3000 HANNOVER, GERMAN FEDERAL REPUBLIC.

Inventors : PETER PATT AND MICHAEL SCHNEIDER.

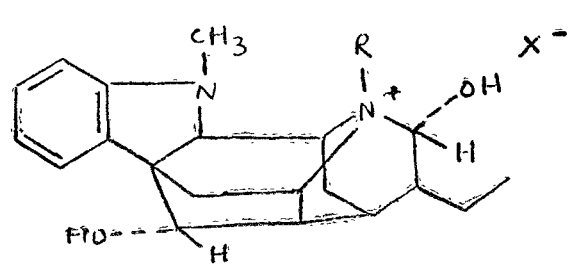
Application No. 707/Cal/77 filed May 11, 1977.

Convention date March 11, 1977/(10521/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A process for the preparation of a quaternary derivative of sandwicin of the general formula I.



wherein R is a straight chain or branched alkyl radical containing up to 5 carbon atoms, and X is the anion of either an inorganic or an organic acid, wherein sandwicin is reacted with an alkyl halide of which the alkyl radical is a straight chain or branched alkyl radical containing up to 5 carbon atoms, and the resulting sandwicinium halide is converted into the corresponding open ring aldehyde base by treatment with an alkali and wherein the said aldehyde base is reacted with a physiologically compatible organic or inorganic acid.

CLASS 32E. 146150.

Int. Cl.-C08f 1/28, 1/56, 3/02.

METHOD FOR THE HIGH YIELD POLYMERIZATION OF ALPHA OLEFINES.

Applicant : SNAMPROGETTI S.P.A., OF CORSO VENEZIA 16, MILAN, ITALY.

Inventors : MARGHERITA CORBELLINI AND ALBERTO CRECO.

Application No. 795/Cal/78 filed July 19, 1978.

Division of Application No. 133/Cal/77 filed January 29, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

A method for the high-yield polymerization of alpha-olefines wherein the polymerization is carried out in the presence of a catalyst system composed by an organic metallic compound of aluminium and the reaction product of the reaction in vapor phase of elemental magnesium, a titanium compound and a halogen donor as herein described.

CLASS 32F$_{2c}$ & F$_{3d}$.
Int. Cl.-C12d 3/04.

AN IMPROVED FERMENTATION PROCESS FOR THE PREPARATION OF ACETOIN (2, 3-BUTANOLONE, ACETYLMETHYLCARBINOL).

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG NEW DELHI-110001, INDIA.

Inventor : DR. NATVERSINH KESHRISINH YADAV AND DR. KRISHAN GOPAL GUPTA.

Application No. 55/Del/77 filed March 22, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

9 Claims. No drawings.

An improved fermentation process for the preparation of acetoin (2, 3-butanolone, acetylmethylcarbinol) characterized in cultivating a strain *Enterobacter cloacae* ATCC 27613 or mutants thereof in an aqueous nutrient medium and recovering the acetoin from the fermentation broth by methods known *per se*.

CLASS 32F$_{2c}$ & 55EE$_4$. 146152.

Int. Cl.-07d 31/24, 49/36, 91/32, 91/12.

METHOD FOR THE PREPARATION OF HISTAMINE H$_2$-ANTAGONISTS.

Applicant : SMITH KLINE & FRENCH LABORATORIES LIMITED, OF MUNDELLS, WELWYN GARDEN CITY, HERTFORDSHIRE, ENGLAND.

Inventors : GRAHAM JOHN DURANT, CHARON ROBIN GANELLIN, TORBEN HESSELBO AND GEORGE RAYMOND WHITE.

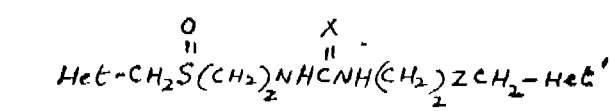
Application No. 1187/Cal/76 filed July 5, 1976.

Convention date July 31, 1975/(31969/75) U.K.

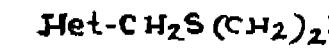
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

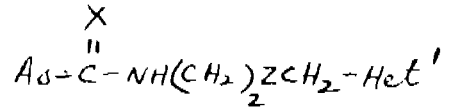
A process for the production of a compound of the formula 2.



wherein Het and Het' are each selected from imidazole optionally substituted by methyl or bromo, pyridine optionally substituted by methoxy, hydroxy, chlorine or bromine, thiazole and isothiazole; Z is sulphur(SO or methylene; and X is sulphur, CHNO$_2$ or NCN; which comprises the step of treating a compound of the formula 3.



wherein Q is hydrogen or, when X is CHNO$_2$ or NCN,-CX. NH(H$_2$)$_2$)ZCH$_2$-Het' with a suitable oxidising agent and when Q is hydrogen reacting the resultant product with an isothiourea of the formula II.



wherein X A and Het' have the above significance.

CLASS 32F$_{2b}$ & 55E$_4$. 146153.

Int. Cl.-C07d 31/24.

METHOD FOR THE PREPARATION OF HISTAMINE H$_2$-ANTAGONISTS.

Applicant : SMITH KLINE & FRENCH LABORATORIES LIMITED, OF MUNDELLS, WELWYN GARDEN CITY, HERTFORDSHIRE, ENGLAND.

Inventors : GRAHAM JOHN DURANT, CHARON ROBIN GANELLIN AND GEORGE SIDNEY SACH.

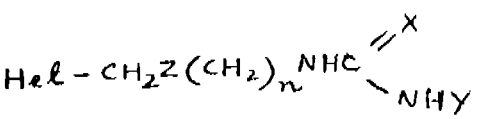
Application No. 1188/Cal/76 filed July 5, 1976.

Convention date July 31, 1975/(31970/75) U.K.

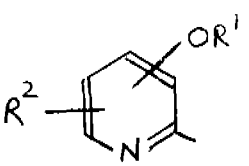
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for the preparation of compounds of the formula I.



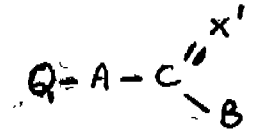
where Het is a grouping of the formula shown in Fig. 1.



wherein R' is lower alkyl or -(CH$_2$)$_p$A, where p is 2 to 4 and A is hydroxy, lower alkoxy or dimethylamino; R^a is hydrogen, lower alkyl, lower alkoxy, amino, halogen, or methylamino; or -OR' and R^a can together form a -O(CH$_2$)$_q$O group attached to adjacent carbon atoms on the pyridine ring, wherein q is 1 to 4; Z is sulphur or methylene; n is 2 or 3; X is sulphur CHNO$_2$, NH, NCN or NOH; Y is hydrogen, lower alkyl, 2-hydroxyethyl or Het' CH$_2$Z' (CH$_2$)n -, where Het' has the same scope as Het in Figure 1 or bromo, a pyridyl ring optionally substituted by hydroxy, chlorine or bromine, a thiazolyl ring or an isothiazolyl ring; Z' is sulphur, or methylene; and n' is 2 or 3; which comprises the step of treating an amine of formula 2.

Het - CH$_2$Z (CH$_2$)$_n$NH$_2$

where Het, Z and n are as defined above, with a compound of formula 3.



wherein Q is lower alkyl, A is sulphur or oxygen, X' is as defined for X above and B is NHY where Y is as defined above.

CLASS 32F$_{5}$b & 55E$_{4}$. 146154.

Int. Cl.-C07d 31/24, 49/36, 91/12, 91/32.

METHOD FOR THE PREPARATION OF HISTAMINE H_2-ANTAGORISTS.

Applicant : SMITH KLINE & FRENCH LABORATORIES LIMITED, OF MUNDELLS, WELWYN GARDEN CITY, HERTFORDSHIRE, ENGLAND.

Inventor : GEORGE RAYMOND WHITE.

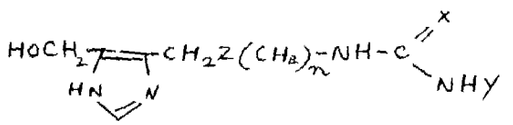
Applicant No. 1200/Cal/76 filed July 6, 1976.

Convention date July 31, 1975/(31968/75) U.K.

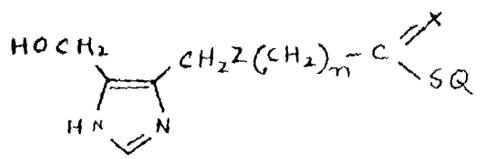
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A process for the production of a compound of the formula I.



wherein n is 2 or 3; Z is sulphur or methylene; X is sulphur, $CHNO_2$ or N.CN; Y is hydrogen, lower alkyl or $HetCH_2Z'(CH_2)_n$; Z' is sulphur or methylene; n' is 2 or 3; and Het is 5-hydroxymethyl-4-imidazolyl, an imidazole ring optionally substituted by methyl or bromo, a pyridine ring optionally substituted by hydroxy, methoxy, chloro or bromo, a thiazole ring or an isothiazole ring; or a pharmaceutically acceptable acid addition salt thereof, which process comprises reacting an amine of the formula IA.



wherein Z, n and X have the above significance and Q is lower alkyl, with an amine of formula YNH_2.

CLASS 10A & 169B$_{1}$. 146155.

Int. Cl.-F41v 15/02.

CARTRIDGE CASE TRAP.

Applicant & Inventor : MRS. KAMLESH SEGAN, C/O. BANK OF INDIA, SHILLONG BRANCH, SHILLONG, MEGHALAYA, INDIA.

Application No. 324/Cal/78 filed March 25, 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A shirt Cartridge Case Trap comprising a body, the said body having a recess for entry of ejected cases, cover and guide surfaces to canalise the ejected cartridge cases, shock absorbent cum deflection surfaces to break the momentum and deflect the cases in the desired direction and a chamber for storage and cooling of the fired cartridge cases.

CLASS 129Q. 146156.

Int. Cl.-B23k 31/00.

METHOD AND APPARATUS FOR PRODUCING A ROTOR WELDED TOGETHER FROM DISCS.

Applicant : BBC BROWN, BOVERI & COMPANY LIMITED, OF BADEN, SWITZERLAND.

Inventor : FELIX BERNASCONI.

Application No. 454/Cal/76 filed March 15, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A method for producing a rotor welded together from discs, the discs being brought together in succession with their axes horizontal in an apparatus and welded, such that on each occasion the two discs to be joined are positioned in space, they are then pressed together axially until the interfaces to be welded are in contact, and joined together by welding while the axial pressure is maintained, in which in successive operations and in one and the same apparatus the individual discs (3, 3', 3", 3"') are preheated, centred and welded, and the complete rotor (12) is heat treated and subjected to a hot true-running test.

CLASS 9D. 146157.

Int. Cl.-C22c 37/10.

A METHOD OF PREPARING HEAT-RESISTANT IRON.

Applicant : TSENTRALNY NAUCHNO-ISSLEDOVATELSKY INSTITUT TEKHNOLOGII MASHINOSTROENIA, OF SHARIKOPODSHIPNIKOVSKAYA ULITSA, 4, MOSCOW, USSR.

Inventors : NIKOLAI NIKITIEVICH ALEXANDROV, VIKTOR MIKHAILOVICH ORLOV, EVGENY VLADIMIROVICH KOVALEVICH, VASILY IVANOVICH KULIKOV AND IURY IVANOVICH VOLKOV.

Application No. 784/Cal/76 filed May 5, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

A process for producing aheat resistant iron based material comprising, weight per cent :

Carbon,	2.8—4.0
silicon	1.5—3.0
manganese,	0.1—0.6
aluminium,	0.1—3.0
chromium,	0.5—2.5
copper,	0.2—2.0
magnesium	0.005—0.04
calcium	0.01—0.04

the weight percentage of impurities being limited to :
sulphur, upto 0.08
phosphorus, upto 0.10
iron, the balance.

which comprises melting a charge of iron viz. blast furnace cast iron, or steel scrap having required amount of ferro alloys, heating the melt to a temperature of around 1500°C, adding to the melt required quantities of copper and magnesium.

CLASS 69-I. 146158.

Int. Cl.-H01h 79/00.

POWER SWITCHING CIRCUIT.

Applicant : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM, ENGLAND.

Inventor : OWEN EDGAR WRIGHT.

Application No. 947/Cal/76 filed June 1, 1976.

Convention date June 4, 1975/(24066/75) U.K.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A power switching circuit comprising a first supply rail, a first output rail, an output transistor having its collector connected to one rail and its emitter connected to the other rail, a drive transistor having its emitter connected to the base of the output transistor and its base connected to a control circuit and a transformer having one winding connecting the collector of the drive transistor and said one rail and another winding connecting the emitter of the drive transistor to the emitter of the output transistor, the transformer being wound so that falling current in the collector of the drive transistor induces reverse bias current in the base-emitter junction of the output transistor.

CLASS 97D & E & H. 146159.

Int. Cl.-H05b.

AN ELECTRICAL INDUCTION COOKER.

Applicant & Inventor : JAGDISH CHANDRA SHARMA, 1876, SITARAM BAZAR, MOHALLA IMLI, KUCCHA KHAILIRAM, DELHI-6, INDIA.

Application No. 984/Cal/76 filed June 7, 1976.

Complete specification left June 7, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

2 Claims.

An electrical cooker of the induction type and for domestic use comprising at least one pair of laminated or ceramic magnetic material electromagnetic blocks, each of said blocks having a coil wound thereon characterized in that said blocks of triangular section are mounted on a laminated electromagnetic base plate, pairs of said coils being connected in series or parallel configuration, said coils adapted to be connected to an a.c. power source, said blocks and base plate forming three arms of a flux path, the fourth arm being formed by a ferromagnetic utensil and capacitors in series or parallel configuration of coils are provided to improve the power factor.

CLASS 47C. 146160.

Int. Cl.-C10b 43/08.

APPARATUS FOR CLEANING THE DOORS OF COKING OVENS.

Applicant : DR. C. OTTO & COMP. GMBH., OF BOCHUM, WEST GERMANY.

Inventor : ERICH PRIES, DIPL. ING.

Application No. 380/Cal/77 filed March 15, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

Apparatus, so adapted that coking oven doors, having a sealing edge for placing on the door frame, can be driven for cleaning purposes in front of said apparatus which is provided with nozzles for discharging pressurized water on to the door regions which are situated close to the sealing edge and are covered with encrusted deposits, characterized in that a pair of nozzles, which is situated on both sides of the inward-driven door (10), is aimed at the gap between the sealing edge (31) and the door plug (33), is connected to a pressurized water supply duct (29), and is spaced at a distance from each other equivalent to approximately half the door height, is disposed in a vertically adjustable frame so that the top and bottom angle subtended by the sealing edge (31) can be subjected to pressurized water, namely by the top nozzles in the top position and by the bottom nozzles in the bottom position and the top nozzles are pivotable in the top limiting position and the bottom nozzles are pivotable in the bottom limiting position so as to bias the regions of the door (10) situated at the top and at the bottom horizontal portion of the sealing edge (31) and the nozzles are disposed on horizontal inwardly pivotable tubes (18, 19, 20, 21) which are situated on both sides of the plug of the inward-driven door and are connected to the supply duct for pressurized water.

CLASS 88C & 195D. 146161.

Int. Cl.-E21b 17/00.

DRILLING HOLES IN PRESSURIZED PIPES

Applicant : JAMES KEMP & CO. PTY LTD., OF CREEK ROAD, CURRUMBIN, QUEENSLAND 4223, AUSTRALIA.

Inventor : KEITH RODERICK HERRON.

Application No. 632/Cal/77 filed April 27, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

7 Claims.

Apparatus for drilling a hole in a pressurized container comprising :

attachment means for attaching a drill supporting device to a surface of said container;

peripheral sealing means between said device and said surface surrounding an aperture for a drill in said device;

a seal across said aperture closed by outward pressure, but able to be opened inwards to pass said drill;

said seal including resilient sectoral leaves angled inwards towards said surface, which in closed position are abutted tightly against one another to close said aperture;

each said leaf having a flange abutting against a flange on said attachment means in closed position, to restrain flexing of said leaf away from said surface.

CLASS 174D. 146162.

Int. Cl.-B61f.

RUBBER SPRINGS FOR CENTRE BUFFER COUPLER OF M.G. RAILWAY ROLLING STOCK.

Applicant : DIRECTOR GENERAL, RESEARCH DESIGNS AND STANDARD ORGANISATION, MINISTRY OF RAILWAYS, GOVERNMENT OF INDIA, MANAK NAGAR, LUCKNOW, U.P. INDIA.

Inventor : THAZHATHED ATHU GOVIND AN RAGHUNATHAN ACHARI.

Application No. 402/Del/77 filed November 21, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims.

A centre buffer coupler for railawy vehicles for running on meter gauge track is characterised in that in the said coupler is included a monoblock spring which comprises a series of metal plate inserts spaced from each other, a rubber spring interposed between the opposite faces of said each rubber ring forming a pad between the pair of plates and further characterised by then the outer and the inner ends of said rings being larger in diameter than the main body, the said enlarged ends being made sloping to merge with the plates such that the section of the rubber ring is substantially that of the shape of a reel, the inner ends of the said rubber rings being short of the openings in the steel plates.

CLASS 134D. 146163.

Int. Cl.-G05d 1/00.

AUTOMATIC SPEED CONTROL CIRCUIT FOR VEHICLE.

Applicant : DANA CORPORATION, OF 4500 DORR STREET, CITY OF TOLEDO, STATE OF OHIO, UNITED STATES OF AMERICA.

Inventor : LARRY OMAR GRAY.

Application No. 717/Cal/76 filed April 26, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An automatic speed control circuit for a vehicle including a first circuit arranged to provide an output representing the actual road speed of the vehicle, a second circuit arranged to provide an output representing a desired road speed of the vehicle, a control comparator circuit connected to the first and second circuits and arranged to provide an output representing the difference between the actual road speed and the desired road speed and which is employed to operate the vehicle throttle, and a speed comparator connected to the first and second circuits and arranged to provide an output representing the difference between the actual road speed and the desired road speed, said second circuit including a free running pulse source arranged to be initiated by an operator actuable set switch, a counter in which the pulses are stored as a memory, a converter connected to the output of the counter and arranged to provide an output proportional to the number of pulses counted, a latch connected to the speed comparator and arranged to disable said pulse source when the output of said speed comparator is zero, a set point limit circuit connected to the output of said first circuit and arranged to be activated by said operator actuable set, said latch being connected to an output of said set point limit circuit and being activated by the leading edge of a pulse received by said set point limit circuit from said first circuit after said operator actuable set switch is actuated, said latch having an output connected to said free running pulse source to start the free running pulse source when the operator actuable set switch is actuable, said speed comparator having a first input connected to the output of said first circuit, a second input connected to the output of said first circuit, a second input connected to the output of said converter, and an output connected to reset said set point latch when the actual road speed is substantially equal to the desired road speed.

CLASS 39M. 146164.

Int. Cl.-C01b 25/26.

IMPROVED PROCESS FOR THE PRODUCTION OF ZINC PHOSPHATE USING ZINC OXIDE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : HANDADY VENKATAKRISHNA UDUPA, KAPISTHALAM CHETLUR NARASIMHAM, SUBBIAH NADAR GURUVIAH, VENKATASUBRAMANIAN CHANDRASEKARAN, MRS. PADMANABA SANKARANARAYANA GOMATHI.

Application No. 1179/Cal/76 filed July 3, 1976.

Complete Specification left July 26, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims. No drawings.

An improved process for the production of zinc phosphate by interaction of zinc oxide and orthophosphoric acid characterised in that the double-decomposition reaction is carried out by the reacting 15-25% slurry of zinc oxide with water and stiochiometric amount of orthophosphoric acid diluted from 1 : 1 to 1 : 7 at a temperature range of 30 to 60°C with stirring and isolating the solid zinc phosphate formed.

CLASS 128G & H. 146165.

Int. Cl.-A61m 25/00, 31/00.

APPARATUS FOR BLOCKING DUCTS IN THE HUMAN ORGANISM.

Applicant : EMSET OY, OF TEOLLISUUSKATU 23-25, 00510 HELSINKI 51, FINLAND.

Inventor : LAURI LAITINEN.

Application No. 855/Cal/77 filed June 8, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2—497GI/78

3 Claims.

Apparatus for blocking ducts of the human organism including a catheter having a needle secured thereto, a passage extending through the needle and a bag of resilient material having a mouth aperture, the mouth aperture being plugged and reinforced by a resilient mass through which the needle attached to the tip of the catheter is passed to secure the bag to the catheter and to enable the injection of X-ray-opaque contrast matter into the bag, the resilient mass being such that after withdrawal of the needle the mass automatically seals the orifice made by the needle to give a tight seal, by means of its inherent elasticity the resilient mass being produced by dipping the mouth aperture of the bag into a rubber solution.

CLASS 105B. 146166.

Int. Cl.-G01d 7/00.

SCALE READING DEVICE FOR DETERMINING CO-ORDINATE POSITIONS OF MOVABLE PARTS OF MACHINES.

Applicant : NATIONAL INSTRUMENTS LIMITED, 1/1, RAJA S.C. MALLICK ROAD, JADAVPUR, CALCUTTA-700032, WEST BENGAL, INDIA.

Inventors : RUDOLF POPPE AND CLAUS LIEBERWIRTH

Application No. 1300/Cal/77 filed August 20, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A scale reading device to determine co-ordinate position of table, headstock and other movable parts of machines having a line scale and a reading unit of which the scale is graduated in millimetre and the reading unit comprising a projection system, a displaceable symmetry mark for accurate setting coupled to a fine indicator and a magnifier system, characterised in that the line graduation of the scale has ten-millimetre numbering in addition to millimetre numbering and that the scale image projected by an objective lens of the reading unit in the plane of the ground-glass screen of the reading unit is split up by means of two apertures of different size into two viewing fields with the larger aperture displaying the ten-milimetre numbers and the smaller aperture displaying the millimetre lines and millimetre numbers, while the ground-glass screen arranged above the aperture carried the said symmetry mark for accurate setting is displaceable by a lever pivotable about an axis and is arranged beneath a viewing field magnifier covering the aperture, the magnifying lens with the aperture and a ground-glass screen of the fine indicator device.

CLASS 32A. 146167.

Int. Cl.-C09b 29/00.

PROCESS FOR THE PREPARATION OF WATER-SOLUBLE DYESTUFFS.

Applicant : HOECHST AKTIENGESELLSCHAFT, OF 6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

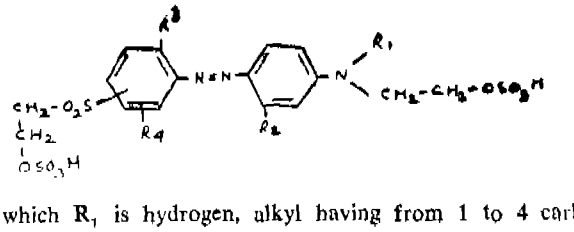
Inventors : ERNST HYER, LUDWIG SCHLAFER.

Application No. 1623/Cal/77 filed November 18, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Process for the preparation of the dyestuffs of formula I

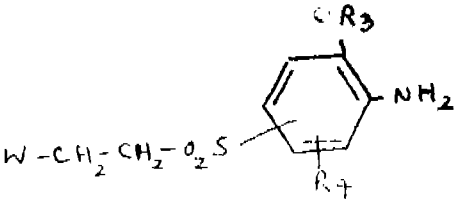


in which R_1 is hydrogen, alkyl having from 1 to 4 carbon

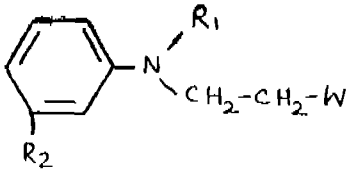
atoms, benzyl, benzyl substituted in the benzene nucleus by methyl and/or chlorine, or is hydroxyalkyl having from 2 to 4 carbon atoms or hydroxyalkyl having from 2 to 4 carbon atoms and esterified with an inorganic or organic acid for example sulfato-alkyl, phosphato-alkyl, acetoxyalkyl, proionyloxyalkyl or phenylsulfonyloxy-alkyl or represents cyanoalkyl having from 2 to 4 carbon atoms in the alkyl moiety, carboxy, carbonamidoor carbalkoxyalkylene each having from 1 to 4 carbon atoms in the alkyl or alkylene moiety, halogenoolkyl having 2 or 3 carbon atoms, or halogenoalkenyl having 2 or 3 carbon atoms,

R_3 is hydrogen, methyl, ethyl or halogen,
R_5 is hydrogen, halogen, methyl, ethyl, methoxy, ethoxy or nitro,

R_4 is hydrogen, halogen, methyl, ethyl, methoxy, ethoxy or nitro, or of their salts, especially alkali metal salts, for example sodium or potassium salts, or alkaline earth metal salts, for example calcium salts, which comprises diazotizing an aromatic amine of the formula (2).



or a salt thereof, especially alkali metal salt, for example sodium or potassium salt, or alkaline earth metal salt for example calcium salt, in which R_5 and R_4 have the meaning as given above and W stands for the hydroxy or sulfato group, and coupling component of the formula (3).



or a salt thereof, especially alkali metal salt, for example sodium or potassium salt, or alkaline earth metal salt for example calcium salt, in which R_1 and R_2 and W have the meaning as given above, and, converting the hydroxy group, if W is hydroxy of the azo compound obtained, into the sulfato group of the azo compound by means of a known sulfatation agent.

CLASS 186A & 206E. 146168.

Int. Cl.-G05f, 1/00.

A DEAD BAND CIRCUIT.

Applicant : BHARAT HEAVY ELECTRICALS LIMITED, AT 18-20, KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA.

Inventors : DEVALRAJU SRIMAHA VISHNU, RANGA SRINIVASA VARADHAN AND MADHIRA KRISHNAMURTHY.

Application No. 368/Del/77 filed November 3, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A dead band circuit comprising a first and second precision rectifier each of which is adapted to receive an input signal voltage from a common signal source, a dead zone reference circuit connected directly to said first precision rectifier and through an inverter to said second precision rectifier, the output of said rectifiers being connected to an adder.

CLASS 69D & I & 195D. 146169.

Int. Cl.-G05d 7/00.

DEVICE FOR AUTOMATIC OPERATION OF A COCK, VALVE, TAP OR THE LIKE.

Applicant & Inventor : RAMANLAL SOMABHAI PATEL, AT 198, RAMAN NIWAS, DARJI VAS, MADALPUR, AHMEDABAD-380 006, (GUJARAT STATE), INDIA.

Application No. 24/Bom/76 filed January 17, 1976.

Complete Specification left August 23, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

9 Claims.

A device for automatic operation of cock, valve, tap or like of the plunger type, comprising a source of light rays, a low voltage, e.g. 30 volts, D.C. supply, a relay controlled solenoid and an electronic circuit comprising a light activated means such as a photo transistor, on emitter, base and collector junction of which maximum rays of light from said light source are incident, base of the photo transistor being unconnected, collector junction of the phototransistor being reverse biased and the emitter junction forward biased, a second transistor biased with its base connected to emitter of said photo transistor, the relay controlled solenoid being connected between emitter of said second transistor and negative pole of low voltage supply.

CLASS 98C & E. 146170.

Int. Cl.-F28b 1/00.

A THERMAL POWER PLANT INCORPORATING A DEVICE FOR RECOVERING AND UTILIZING HEAT ENERGY FROM CONDENSING VAPOURS.

Applicant & Inventor : VASANT SANTARAM GARIF, A-3, POWER HOUSE COLONY P.O. GODAVARI KHANI, ANDHRA PRADESH, PIN-505209, INDIA.

Application No. 101/Mas/76 filed June 3, 1976.

Complete Specification left August 3, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims.

A thermal power plant incorporating a device for recovering heat energy which is in the form of latent heat of condensing vapours and re-utilising it as sensible heat to increase the temperature of the condensate, comprising one or more heat recovering and transferring units connected in series and characterised in that each unit comprises a compressor and a plurality of heat exchangers in a closed circuit, and provided with a suitable refrigerant such as herein described, wherein the latent heat recovered from the condensing vapours in the heat exchanger of the first unit is transferred successively to the heat exchangers of the next units thereby successively increasing the temperature of the refrigerants in the successive units and finally retransferring this latent heat energy to the condensate as sensible heat energy thereby increasing its temperature.

CLASS $131B_2$. 146171.

Int. Cl.-B25d 9/02.

PNEUMATIC PERCUSSION TOOL HAVING A VIBRATION DAMPENED HANDLE.

Applicant : CATERPILLAR TRACTOR CO., OF PEORIA, ILLINOIS, UNITED STATES OF AMERICA.

Inventor : DANIEL BRONSON SHOTWELL.

Application No. 417/Cal/76 filed March 9, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A portable pneumatic percussion tool having a barrel and pneumatically-actuated percussion apparatus in the barrel; a vibration dampered handle secured at one end of the barrel and having an air pressure supply passage therethrough; a cushion member of resilient material disposed between the handle and the barrel; a pair of coupling members one on each side of the cushion member and bonded thereto, an air supply passage extending through the coupling members and cushion member; a one -piece resilient liner lining the air supply passage, the resilient liner having flanges extending laterally along the outer face of each coupling member to provide an annular sealing gasket between each respective coupling member and the adjacent handle or barrel; and means or securing each coupling member to the adjacent handle or barrel with the annular sealing gasket compressed to form an airtight seal.

CLASS 61B & 114D. 146172.

Int. Cl.-C14b 17/00, C14c 15/00, F26b 9/00, 11/00.

APPARATUS FOR VACUUM DRYING FLAT PIECES.

Applicant : PATPAN INC., PANAMA (PANAMA).

Inventor : JEAN-PIERRE DUBOURG.

Application No. 2034/Cal/76 filed November 12, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

Apparatus for vacuum drying flat pieces, comprising a sheet serving as support for at least one piece to be dried, heating means located under the support sheet, a movable lid for covering the support sheet, said lid including a tight flexible membrane having a porous mattress fitted on its under surface and a sealing gasket around its perimeter arranged to make contact with a peripherial portion of the support sheet, the said lid serving to enclose the piece or pieces laid out on the support sheet inside a hermetically sealed space, said flexible membrane being held by an external support framework of the lid having a shape closely to the shape of said support sheet, and means for connecting the said hermetically sealed space to a vacuum source, the said support sheet being formed to present to substantially flat side faces sloping upwards to meet along a rounded ridge and the said lid having a complementary shape.

CLASS 32F5b. 146173.

Int. Cl.-C07d 51/36.

PROCESS FOR THE PREPARATION OF FUSED PYRIMIDINE DERIVATIVES.

Applicant : CHINOIN GYOGYSZER ES VEGYESZETI TERMEKEK GYARART., OF TO-UTCA, 1-5 BUDAPEST IV, HUNGARY.

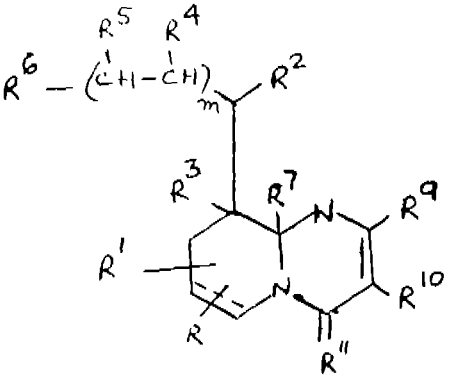
Inventors : DR. ISTVAN NERMECZ, DR. ZOLTAN MESZAROS, DR. SANDOR VIRAG, MRS. LELLE VASVARI, AGNES HORVATH, DR. JOZSEF KNOLL, DR. GYULA SEBESTYEN AND DR. AGOSTEON DAVID.

Application No. 190/Cal/77 filed February 10, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

37 Claims.

A process for the preparation of new, optionally racemic or optically active fused pyrimidine derivatives of the general formula I.



and if desired its acid addition salts wherein

n = 0, 1, 2 or 3; m = 0, 1 or 2

R stands for a hydrogen atom, optionally substituted amino, optionally substituted alkyl, optionally substituted hydroxyl, optionally substituted aryl, optionally substituted aralkyl, carboxyl or a group derived from the carboxylic group;

R^1 stands for a hydrogen atom, an optionally substituted alkyl group or

R and R^1 together form a $-(CH=CH)_2-$ chain, wherein the dotted line represents an optional valency bond;

R^2 stands for a hydroxyl, alkoxy, mercapto, O-acyl or an optionally substituted amino group;

R^3 stands for a hydrogen atom, or optionally, together with R^2 represents a valency bond;

R^4 and R^5 undependently represent a hydrogen atom or together form a valency bond;

R^6 stands for a hydrogen atom, an optionally substituted aryl, optionally substituted heterocyclic, or carboxyl group, a group derived from a carboxyl group or a trihalomethyl group;

R^7 and R^8 undependently represent a hydrogen atom or together form a valency bond;

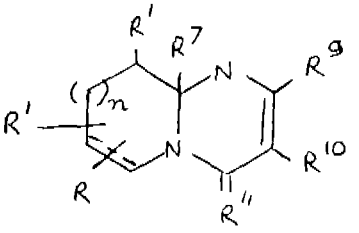
R^9 stands for a hydrogen atom, an optionally substituted hydroxyl, optionally substituted amino, alkylthio, optionally substituted alkyl, optionally substituted aryl, optionally substituted aralkyl, carboxyl group, a group derived from a carboxyl group, a heterocyclic group containing nitrogen being attached to the pyrimidine ring through a nitrogen atom;

R^{10} stands for a hydrogen atom, an optionally substituted alkyl optionally substituted aryl, optionally substituted aralkyl, optionally substituted amino, carboxyl group, cyano group, a group derived from a carboxyl group, an optionally substituted acyl group; and

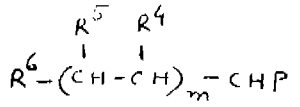
R^9 and R^{10} together may form a $-(CH_2)_p-$chain, wherein p represents a number from 3 through 10,

R^{11} stands for an oxygen or sulphur atom or an R^{10}-N = - group, wherein R^{10} represents a hydrogen atom or an acyl group, and in which R^4 and R^5 as well as R^7 and R^8, when respectively together form a valency bond and R^9 stands for a hydroxyl group, R^9 stands for a hydrogen atom and capable of being dehydrated in a known manner into a fused pyrimidine derivative of general formula I, in which R^2 and R^3 together form a valency bond,

which comprises reacting an optionally racemic fused pyrimidine derivative of the general formula II.



wherein, n, R, R^1, R^7, R^8, R^9, R^{10}, R^{11} and the dotted line have the same meaning as defined above and R' is H, alkyl group or acyl group with an aldehyde of the general formula III.



wherein R^4, R^5, R^6 and m have the same meaning as defined above and P is O or S and when desired transforming the thus obtained optionally optically active fused pyrimidine derivative of the general formula I into its acid addition salts with a pharmaceutically acceptable inorganic or organic acid.

CLASS 32E & 136E & 152E. 146174.

Int. Cl.-C08g 5/00, 37/00.

METHOD OF PREPARING CLOSED CELL PHENOL-ALDEHYDE FOAM AND THE CLOSED CELL FOAM THUS PREPARED.

Applicant & Inventor : FREDERICK EMIL GUSMER, OF 1121 OCEAN AVENUE, MANTOLOKING, NEW JERSEY, 08738, UNITED STATES OF AMERICA.

Application No. 784/Cal/77 filed May 25, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims. No drawings.

A method of preparing cured closed cell phenol-aldehyde foam comprising frothing in a known manner an admixture containing (1) a frothable liquid phenol-aldehyde resole resin that has an aldehyde to phenol ratio of from 2.0:1.0 to 3.0:1.0 and that has been dehydrated under vacuum to a water content less than 10% by weight, said liquid resole resin having an exothermic heat of reaction whereby when 50 grams thereof having a temperature of 27°C. are placed in an open metal container of a size which results in a depth of the liquid resole resin of 9 mm. and 2 grams of an acid catalyst composition are vigorously admixed therein with a spatula for 30 seconds, the acid catalyst composition containing one gram of toluene xylene sulfonic acid and one gram of glycerine, then the internal temperature of the admixture while a liquid increases to a value not in excess of 65°C., the initially liquid admixture forms a solid within 15 minutes, and the internal temperature of the said solid upon standing does not increase to a value in excess of 82°C. before decreasing to a lower value, (2) a volatile blowing agent for the said liquid phenol aldehyde resole resin, and (3) a surfactant which is a stabilizing agent for frothed liquid phenol-aldehyde resole resin to produce a stable uncured froth of the liquid phenol-aldehyde resole resin, the said uncured froth containing closed cells which have cell walls formed of the liquid phenol-aldehyde resole resin and the said closed cells being expanded by the volatile blowing agent in gaseous phase, shaping in a known manner the said uncured froth into a desired configuration to provide an uncured shape, and curing the liquid in a known manner phenol-aldehyde resole resin in the cell walls of the said uncured shape to the solid state in the presence of an acid catalyst for curing liquid phenol-aldehyde resole resin to produce a solid shape of cured closed cell phenol-aldehyde foam, the internal temperature throughout the said shape during the curing thereof being above the boiling point of the volatile blowing agent but less than 100°C. and sufficiently low to prevent further expansion of the said shape in an amount to rupture the said cell walls of the closed cells and form an open cell structure, the liquid phenol-aldehyde resole resin in the said shape during the curing thereof to the solid state having a sufficiently low exothermic heat of reaction whereby the internal temperature throughout the said shape is within the aforesaid limits, and the said acid catalyst being present in the said shape in an amount to cure the liquid phenol-aldehyde resole resin to the solid state and in an amount whereby the internal temperature throughout the said shape during the curing thereof is within the aforesaid limits and below 100°C.

OPPOSITION PROCEEDINGS

The opposition entered by Orissa Cement Limited to the grant of a patent on application No. 138902 made by Shyam Sundar Ghosh as notified in Part III, Section 2 of the Gazette of India, dated the 11th September 1976 has been partly allowed and a patent has been ordered to be sealed on the application subject to amendment of the complete specification.

PATENTS SEALED

143344 143469 143581 143606 143706 143715 143717 143734 143743 143745 143746 143757 143784 143803 143811 143858 143896

AMENDMENT PROCEEDINGS UNDER SECTION 57.

The amendments proposed by Nuchem Plastics Limited in respect of patent application No. 144160 as advertised in Part III, Section 2 of the Gazette of India dated the 26th August, 1978 have been allowed.

COMMERCIAL LIST NO. IV

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calender year 1977 generally on account of want of requests for licences to work the patented invention. Persons who are interested to commercially work the said patents may contact the patentees for the grant of a licence for the purposes.

Serial No.	Patent No.	Date of Patents	Name and address of Patentee	Brief title of the invention
1	2	3	4	5
1.	128542	22-9-1970	TEXACO DEVELOPMENT CORPORATION, 135 East, 42nd Street. New York, New York, 10017, (U.S.A.)	Production of systhetic gases and fuel gases
2.	128545	20-4-1972	CHOAY S. A. 48, Avenue, Theophile Gontier, 75 Paris, France.	Preparation of calcium salt of N-Acetyl-6-amino hexenoic acid.
3.	128604	26-9-1970	PRODUCTS CHIMIQUES PECHINEY SAINT-GOBAIN, 67Buylverad du Chateau, 92 Neuilly-sur-seine, France.	A wet process for the manufacture of phosphoric acid and calcium sulphate.
4.	128634	28-9-1970	CIBA OF INDIA LTD., Aarey Road, GoregaonEast, Bombay-63, Maharashtra State, India.	Dying and Printing textiles materials of synthetic organic materials.
5.	128651	29-9-1970	CLEUTT PEABODY & CO. INC., 433, River Street, Troy, New York, (U.S.A.)	Mixing ammonia with non-volatile materials
6.	128677	3-10-1970	MONSANTO COMPANY, 800 North Lindbergh Boulevard, St. Louis Missouri 63166 (U S.A.)	Preparing novel N-azolyl sulfenamides
7.	128720	20-4-1972	THE UPJOHN COMPANY, 301, Henrietta, Street, Kalamazoo, Michigan, (U.S.A.)	Preparation of steroids.
8.	128727	20-4-1972	CENTRE EUROPEEN DE RECHERCHES PHARMACOLOGIOUES 71, Avenue Laplace, Arcueil, Valde Marine France	Preparing new phenoxy acetic acid derivatives.
9.	128753	12-10-1970	UOP INC., 10 UOP Plaza- Algonguin and Mt. Prospect Roads, Des Plaines, Illinois (U.S.A.)	Ortho alkylation of P-alkoxyphenols.
10.	128755	12-10-1970	IMPERIAL CHEMICAL INDUSTRIES LIMITED Imperial Chemical House, London S. W. 1 England.	Manufacture of 1-1-1 trichloroethane.
11.	128785	13-10-1970	SOCIETE ANONYME DES ETABLISSMENTS ROURE-BERTRAND FILS & JUSTIN DUPONT, 17 Bis rule Legendre Paris, France.	A perfume composition containing novel cyclopentanes.
12.	128786	13-10-1970	HOECHST AKTIENGESELLSCHAFT, of 6230 Frankfurt/Main, 80 West Germany	Manufacture of bisphenol carboxylic acid esters from phenols and acetoacetic esters.
13.	128787	13-10-1970	HOECHST AKTIENGESELLSCHAFT, of 6230 Frankfurt/Main 80, West Germany.	Polyphenol carboxylic acid esters from phenols.
14.	128793	20-4-1972	HOECHST AKTIENGESELLSCHAFT, of 6230 Frankfurt/Main 80, West Ger-Germany.	Des-phenylalanin bl-insulin.
15.	128799	13-10-1970	——————DO.——————	Preparing water soluble anthraquinone-dyestuffs.
16.	128815	14-10-1970	PRODUITS CHIMIQUES UGINE KUHLMANN, 25 Bld de 1, admiral Burix, 75, Paris, France.	Producing extruded plastic material products.
17.	128831	15-10-1970	BRITISH STEEL CORPORATION, 33 Grosvenor Place, London S. W. 1 England.	Alloying Steel
18.	128907	20-10-1970	SNAMPROGETTI S. p. A., of 16 Corso Venezia, Milan, Italy	Urea.
19.	128934	21-10-1970	ASAHI GLASS CO. LTD. of NO. 1-2, Marunouchi 2-Chome, Chiyoda-ku, Tokyo, Japan.	Forming continuous steel glass
20.	128953	20-4-1972	Eli LILLY Co., 307 East Mc Conty Street, Indianapolis, Indiana, U.S.A.	Preparation of 7-aminocephalosporin acid
21.	128971	23-10-1970	MONSANTO COMPANY, at 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	Anhydrous dicalcium phosphate.
22.	128992	26-10-1970	HINDUSTAN LEVER LTD., Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-20.	Personal washing tablet.
23.	128999	26-10-1970	NIPPON KOKAN KABUSHIKI, 1-3, 1-Chome, Otemachi, Chiyoda-Ku, Tokyo, Japan.	Preparing a high temperature low alloy steel.

1	2	3	4	5
24.	129044	30-6-1971	ENGELHARSH MINERALS & CHEM. CORPORATION, 113, Astor Street, New York, New Jersey, U.S.A.	Ammonia oxidation.
25.	129059	30-10-1970	UGINE KUHLMANN, 10 Rue, de General Foy, Paris, 8, France.	New composite materials.
26.	129079	2-11-1970	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-1 (India)	Preparation of powdered iron.
27.	129117	20-4-1970	PFIZER INC. 235 East, 42nd Street, New York, State of New York, (U.S.A.)	Preparing oxindolecarboxamide compounds.
28.	129123	6-11-1970	UOP INC., 10 UOP Plaza, Alganquin and Mt. Prospect Road, Des Plaines, Illinois (U.S.A.)	Regeneration of a coke deactivated catalyst containing platium and rhenelum.
29.	129125	Do.	IMPERIAL CHEMICAL INDUSTRIES LIMITED, Imperial Chemical House, Millbank, London, S. W. 1, England.	Synergistic stabilised aliphatic hydrocarbon composition.
30.	129127	Do.	EXXON RESEARCH & ENGINEERING CO., of Linden, New Jersey, United States of America.	Conversion of gas mixtures containing carbon monoxide and steam to hydrogen and CO_2
31.	129139	7-11-1970	——————DO.——————	——————DO.——————
32.	129150	9-11-1970	HINDUSTAN LEVER LIMITED, Hindustan Lever House, 165/166, Backbay Reclamation, Bombay-20.	Soap tablet production.
33.	129154	Do.	SNAMPROGETTI S.p.A., of 16 Corso Venezia, Milan, Italy.	Removing catalytic metal residues from polyolefins.
34.	129162	10-11-1970	SHERRITT GORDON MINES LTD. of Commerce Court West Toronto, Ontario Canada.	Extracting nickel and cobalt values from laterit ore.
35.	129187	20-4-1972	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001, (India).	Synthesis of 2, 2-disubstituted 3, 4 diphenylchromans.
36.	129231	21-5-1971	TEXACO DEVELOPMENT CORPORATION, 135 East, 42nd street, New York, New York-17, (U.S.A.)	Production of synthesis gas.
37.	129232	20-4-1972	THE WELCOME FOUNDATION LTD., of 183-193 Euston Road, London S. W. 1 England.	Amino purine derivatives.
38.	129251	Do.	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001, (India).	Synthetesis of 3, 8-disubsituted-4-oxoperhydro (1, 2-C) piperazino pyrimidines.
39.	129252	Do.	——————DO.——————	Synthesis of cis- and trans-3, 4-Dephenylchromans.
40.	129263	Do.	SNAMPROGETTI S.p.A., of 16 Corso Venzia, Milan Italy.	Treating effluent gases in the ammonia synthesis.
41.	129267	17-11-1970	NIPPON KOKAN KABUSHIKI, 1-3, 1 Chome Otemachi, Chiyoda-ku, Tokyo, Japan.	Coating of steel sheets.
42.	129304	19-11-1970	HOECHST AKTIENGESELLSCHAFT, of 6230 Frankfurt/Main, 80, West Germany.	Preparation of amiophenyl alkyl ethers.
43.	129305	20-4-1972	MERCK PATENT GMBH Darmstadt, Frankfurt strasse 250, West Germany.	Preparation of peruvoside.
44.	129307	19-11-1970	TEXACO DEVELOPMENT CORPORATION, of 135 East, 42nd Street, New York, N. Y.-10017, (U.S.A.)	Synthetic lubricating oil composition.
45.	129317	20-4-1972	THE WELCOME FOUNDATION LTD., of 183-193 Euston Road, London N.W.1 England.	5-benzylpyrimidines.
46.	129322	20-11-1970	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ, B. V. of Caren van Bylandtlaan 30, The Hague, The Netherlands.	Process for quenching unstable pyrolysis effluent gases.
47.	129331	Do.	TEXACO DEVELOPMENT CORPORATION, 135 East, 42nd Street, New York, New York 10017, (U.S.A.)	Production of reducing gas.
48.	129347	23-11-1970	HINDUSTAN LEVER LIMITED, Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-20.	Making fatty acid mono- di-glycerides.
49.	129349	28-7-1971	——————DO.——————	Preparing catalyst.

1	2	3	4	5
50.	129404	20-4-1972	PFIZER CORPORATION, of calle 15 1/2, Avenida Santa Isanel, Colon, Republic of Panama.	Preparing a propanolamine compound.
51.	129415	27-11-1970	UOP INC. at 10 UOP Plaza-Algonquin and Mt. Prospect Roads, Des Plaines Illinois (U.S.A.)	Regenerating a deactivated hydrocarbon conversion catalyst.
52.	129438	30-11-1970	——————DO.——————	Production of para-xylene and gasolene.
53.	129472	20-4-1972	SOCIETE D'ETUDES DE PRODUITS CHIMIQUES, of 16 rue Kleber, Issy-les-Moulineaux, 92130 France.	Papaverine complex.
54.	129476	3-12-1970	UOP INC. 10 UOP Plaza-Alongquin and Mt. Prospect Roads, Des Plaines, Illinois (U.S.A.)	Separating the effluent from a hydroprocessing reaction zone.
55.	129486	20-4-1972	THE WELCOME FOUNDATION LTD., of 183-193 Euston Road, London, N.W.1 England.	α-alkylaminopropiophenones.
56.	129493	4-12-1970	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., of Carel van Bylandtlaan, 30, The Hague, The Netherlands	Improved process for the production of a silicatitanic catalysit.
57.	129518	5-12-1970	SULZER BROTHERS LIMITED, of Winterthur Switzerland	Ammonia synthesis.
58.	129532	1-10-1971	R. YORITOMI, 5-17-12, Kaishikawa, Bunkyo-ku; Tokyo, Japan.	Continuous dehydration
59.	129567	11-12-1970	SHELL INTERNATIONALE RESEARCN MAATSCHAPPIJ B. V., of Carel Van Bylandtlaan, 30, The Hague, Ther Netherlands.	Expoxidising olefins with hydroperoxides to produce oxirone compounds.
60.	129569	Do.	——————DO.——————	A process for producing a substantially sulphur free gas strearm and a hydrogen sulphide rich gas stream from claus off gases.
61.	129605	20-4-1972	PFIZER CORPORATION of Calle 15-1/2 Avenida Santa Isabel Colon Republic of Panama.	Preparation of tertiary amines.
62.	129618	16-12-1970	CASTROL LIMITED Burmah Castrol House Marrylebone Road London N. W. 1 (Englanad).	Hydraulic fluid comprising synthetic orthoester.
63.	129619	Do.	RHONE-POULENC INDUSTRIES 25 Quai Paul Doumer 92408 Cowrbevoice France.	Manufacture of rhombohedral anhydrous calcium sulphate II
64.	129640	17-12-1970	UOP INC. at 10 UOP Plaza-Algonquin and Mt. Prospect Roads, Des Plaines, Illinois (U.S.A.)	High octane gasolene.
65.	129643	Do.	HOECHST AKTENGESELLSCHAFT. of 6230 Frankfurt/Main 80, West Germany.	Manufacture of water soluble monoazo dyestuffs.
66.	129702	22-12-1970	TEXCO DEVELOPMENT CORPORATION, 135 East. 42nd Street, New York, New York-10017, (U.S.A.)	Catalytic cracking of naphtha.
67.	129712	23-12-1970	WESTINGHOUSE ELECTRIC CORPORATION, of Pittsburgh, Pennsylvania, (U.S.A.)	Improvements in improved blue lumen maintenance hate combination and phosphor treatment method.
68.	129725	24-12-1970	TEXACO DEVELOPMENT CORPORATION, 135 East, 42nd Street, New York, New York-10017, (U.S.A.)	Catalytic cracking of hydrocarbons.
69.	129757	28-12-1970	MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD., of 1006, Oaza, Kadara Kadarashi Osaka, Japan.	Producing manganese di-oxide electrolytically.
70.	129759	20-4-1972	MONEIL LABORATORIES INC., Can Hill Road, Fort Washington, Pennsylvania, (U.S.A.)	Aroyl substituted pyrroles.
71.	129769	29-12-1970	UOP INC., 10 UOP Plaza-Alogonquin and Mt. Prospect Roads, Des Plaines, Illinois, (U.S.A.)	Production of selected aromatic hydrocarbon.
72.	129831	4-1-1971	DO.	C_3-alkyl aromatic isomerisation process.
73.	129834	Do.	THE LUBRIZOL CORPORATION, of Cleveland, Ohio, 4417, (U.S.A.)	Preparation of amidoalkanesulphonic acid
74.	129926	13-1-1971	LAPORTE INDUSTRIES LIMITED, of Hanover House, 14 Hanover Square, London WIR OBE, England.	Treating oxide pigments.

1	2	3	4	5
75.	129936	14-1-1971	NIPPON KOKAN KABUSHIKI, 1-3, 1-chome, Otemachi, Chiyoda, Ku, Tokyo, Japan.	Cold rolled steel sheet for drawing.
76.	130009	20-1-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., of Carel Van Bylandlaan 30, The Hague, Netherlands.	Automatic watching of an apparatus for the preparation and cooling of synthesis gas
77.	130010	20-4-1972	SOCIETE D'ETUDES DE PRODUITS CHIMIQUES, of 16 rue Kleber, 91230. Issy-les-Moulineaux, France	Preparation of new salts of pyridioxines mono-esters
78.	130043	25-1-1971	MELLE BEZONS, of 79 Saint-Leger-Los-Melle, (Deux-Deures) France	Countinuous production of β-methoxy aldehydes.
79.	130072	27-1-1971	THE LUBRIZOL CORPORATION, of Cleveland, Ohio 44117, United States of America.	High molecular weight maleic and fumeric acid esters.
80.	130088	28-1-1971	SOLVAY & CIE, of 33, Rue du Prince Albert, B-1050, Brussels, Belgium.	Preparation of a zeigler-natta type catalyst.
81.	130095	28-1-1971	UBE-INDUSTRIES LTD., of 12-32, 1-Chome Nishihonmachi, UBe-shi, Yamaguchi-ken, Japan.	Apparatus and process for removing impurities from solid granules.
82.	130101	20-4-1972	PFIZER INC., of 235 East, 42nd Street, New York, State of New York, (U.S.A.)	Prepararing substituted benzo (b) thiophenes.
83.	130117	30-1-1971	IMPERIAL CHEMICAL INDUSTRIES LIMITED, Imperial Chemical House, Millbank London S.W.1, England	A composition comprising a powder normally causing collapse of foams and a partially hydrophobic surfacet reated powdered silica.
84.	130125	1-2-1971	HOOKER CHEMICAL CORPORATION, Niggara Falls, New York, U.S.A.	Generation of chlorine dioxide.
85.	130161	20-4-1972	PFIZER INC., of 235 East, 42nd Street, New York, State of New York, (U.S.A.)	Synthesis of substituted quinazolin-4-ones.
86.	130167	3-2-1971	CIBA-GEIGY OF INDIA LIMITED, of Aarey Road, Goregaon East, Bombay-400063, Maharashtra, India.	Dyeing semi-synthetic textile materials.
87.	130178	4-2-1971	HINDUSTAN LEVER LIMITED, Hindustan Lever House, 165/166, Backbay Reclamation, Bombay-400020.	Treatment of karanja oil.
88.	130181	Do.	GREAT SALT LAKE MINERALS & CHEM CORPORATION, P. B. No. 1190, Ogdew, Otah, 84402, U.S.A.	Producing anhydrous potassium magnesium sulphate materials.
89.	130202	6-2-1971	SHERRITT GORDON MINES LTD., of Commerce Court West, Toronto, Ontario, Canada.	Controlled reduction roasting of nickeliferrous iron oxides.
90.	130211	8-2-1971	CIBA-GEIGY OF INDIA LIMITED, of Aarey Road, Goregaon East, Bombay-400063, Maharashtra, India.	Preparation of azo-dyestuffs.
91.	130233	10-2-1971	STONE & WEBSTER ENGINEERING CORPORATION, of 225, Franklin St., Boston, Massachusetts. 2107, (U.S.A.)	Removal of acidic gases from hydrocarbon streams.
92.	130238	11-2-1971	HINDUSTAN LEVER LIMITED, Hindustan Lever House, 165-166 Backbay Reclamation, Bombay-400020.	Anti-plaque and anti-calculus dentifrice.
93.	130270	15-2-1971	SNAMPROGETTI S.p.A., an Italian Company, of 16 Corso Venezia, Milan, Italy.	Separation of a partially hydrogenated polyamine of alluminium.
94.	130282	16-2-1971	FARBWERKE HOECHST AKTIENGESELLSCHFT, of 45, Bruningstrasse, Frankfurt/Main, Federal Republic of Germany.	Preparaing water soluble monoazo dyestuffs.
95.	130287	Do.	E. I. DU POINT ETC. Wilmington, Delaware, (U.S.A.)	Water in oil emulsion type blasting.
96.	130296	20-4-1972	KONINKLIJKE NEDERLANDSCHE GIST and SPIRITUSFABRIEK N. V. a DUTCH BODY CORPORATE OF 1, WATERINGESEWEG, DELFT, THE NETHERLANDS.	Preparation of cephalosporanic acid derivatives.
97.	130298	17-2-1971	USS ENGINEERS AND CONSULTANTSINC., of 525 William Penn Place, Pittsburgh, State of Pennsylvania, (U.S.A.)	Contact assembly in a rotarory type plating apparatus.

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98.	130343	23-3-1971	IMPERIAL CHEMICAL INDUSTRIES LTD., Imperial Chemical House, Milbank London, S. W. 1, England.	Reducing residual acidity of an ester Product.
99.	130346	Do.	MONSANTO COMPANY, at 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, (U.S.A.)	Vulcanizing rubber and 3-cycloalkyl thio-3-azobicyclo (3, 2, 2) nonans inhibitors.
100.	130356	24-2-1971	PARKSON CORPORATION, 5601, North East, 14th Avenue, Fort Lauderdate, Florida 33308, (U.S.A.)	Preparation of super-phosphoric acid.
101.	130367	25-2-1971	FARBWERKE HOECHST ANTIENGESELLSCHAFT, of 45 Brunning strasse, Frankfurt/Main, Federal Republic of Germany.	Metal complex compounds of the manoazo dyestuffs.
102.	130371	25-2-1971	DEGUSSA, 9 Weissfranenstrasse, Frankfurt/Main, Federal Republic of Germany.	Calcium thiocetate.
103.	130373	Do.	S. S. GHOSH, C/o BELPAHAR REFRACTORIES LTD., P. O. Belpahar, S. E. Rly., Orissa.	Manufacture of magnesite bricks.
104.	130375	Do.	CIBA OF INDIA LTD., Aarey Road, Goregaon East, Bombay-68, Maharashtra State, India.	Manufacture of new azo compounds.
105.	130379	Do.	F. L. SMIDTH & CO., A/S, of 77 Vigerslev Alle, Copenhage- Valley, Denmark.	Cement raw materials.
106.	130407	27-2-1971	OIKE & CO., LTD., of 177, Tokusayamacho, Nishinotoinnishiini, Bukkojidori, Shimogyo-ku, Kyoto-shi, Japan.	Cutting filmy material in slit threads and warping the thread.
107.	130416	1-3-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., of Caren Van Bylandtlaan 30, The Hague, The Netherlands.	Relative removal of hydrogen sulphide from gases contalning hydrogen sulphide and carbon-di-oxide.
108.	130418	Do.	MEFINA S. A. of 5 route de Beuumont, Fribourg, Switzerland.	Solid product with lubricating properties.
109.	130433	2-3-1971	TEXACO DEVELOPMENT CORPORATION, of 135 East 42nd Street, New York-10017, State of New York, U.S.A.	Alkylation of an isoparaffin with an olefin in the presence of H_2SO_4 catalyst.
110.	130434	20-4-1972	PFIZER INC., of 235 East, 42nd Street, New York, State of New York, U.S.A.	Preparation of analogues of lapachol.
111.	130463	4-3-1971	EASTMAN KODAK COMPANY of 343 State Street Rochester, New York-14650, United States of America.	Photographic bleach firing compositions.
112.	130469	20-4-1972	KUREHA KAGAKU KOGYO K. K., 8-1-Chome, Nihonbashi Horidome-cho, Chuo-ku, Tokyo, Japan.	Chemical preparation for aral administration of birds and mammals except human.
113.	130487	5-3-1971	MONSANTO COMPANY, at 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	Vulcanizing rubber using Cycloalkylsulfenamides.
114.	130488	5-3-1971	FARBEWERKE HOECHST AKTIENGESELLSCHAFT, of 45 Brunningstrasse, Frankfurt/Main, Federal Republic, of Germany.	Preparation of 3- [3, 4-dichloro-6¹ alkylphenyl] $\triangle_2$- pyrazoline derivatives.
115.	130489	5-3-1971	DO.	Manufacture of water soluble monoazo dyestuffs.
116.	130515	9-3-1971	FOSTER GRANT CO. INC., 289, North Main Street, Leominster, U.S.A.	Catalytic hydrocracking process.
117.	130530	11-3-1971	HERMANN PAPST, KARL-MAIN-Stress 1, St. Goregen, Federal Republic of Germany.	Production of lifting gases lighter than air and airslip for carrying out the method.
118.	130576	16-3-1971	SNAMPROGETTI S.p.A., an Italian Company, of 16 Corso Venezia, Milan, Italy.	Preparing aluminium compounds.
119.	130589	Do.	NEREO CHIAROTTO, Via Bussala 7, Varsa, Italy.	Composite yarns fabrics and non-woven fabrics.
120.	130590	Do.	FARBWERKE HOECHST A. G. of 45 Brunningstrasse, Frankfurt/Main, Federal Republic of Germany.	Manufacture of water insoluble yellow monoazo dyestuffs.
121.	130631	18-3-1971	METALLGESELL SCHAFT A.G. of 6 Frank Fivitom Main Reneiweg 14, West Germany.	Process for removing hydrogen fluoride.

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122.	130690	23-3-1971	FARBWERKE HOECHST A. G. of 45 Brunningstrasse, Frankfurt/Main, Federal Republic of Germany.	Manufacture lf metal containing azo dyestuffs.
123.	130716	20-4-1972	DEUTSCHE GOLD ETC., of 9 Weissrauenstrasse, Frankfurt/Main, Federal Republic of Germany.	Preparation of calcium thiocetate.
124.	130719	25-3-1971	UOP INC. at 10 UOP Plaza-Algonquin, and Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	Reconditioning reforming catalyst.
125.	130739	20-4-1972	PFIZER INC., of 235 East 42nd Street, New York, State of New York, U.S.A.	Preparing novel 6, 7 dimethoxyquinazolinones.
126.	130740	26-3-1971	IMPERIAL CHEMICAL INDUSTRIES LIMITED, Imperial Chemical House, Millbank, London, S.W.1., England.	Production of fibre reinforced thermoplastic materials.
127.	130769	29-7-1971	ABEX CORPORATION of 530 Fifth Anenue, New York, New York, U.S.A.	Friction materials.
128.	130775	29-3-1971	SHINETSU CHEMICAL CO., 4-2 Marunouchi, 1-chome, Chiyoda-ku, Tokyo, Japan.	Suspension polymerising vinyl clloride.
129.	130799	30-3-1971	UBE INDUSTRIES LIMITED, of 12-32, 1-chome, Nishioonmachi, Ube-shi, Yamaguchi-ken, Japan.	Treatment of a reaction product obtained by oxidation of cyclohexane.
130.	130800	Do.	SNAMPROGETTI S.p. A., of 16 Corso Venezia, Milan, Italy.	Production of urea.
131.	130801	Do.	Do.	Do.
132.	130807	1-4-1971	HINDUSTAN LEVER LIMITED, HIndustan Lever House, 165-166, Backbay Reclamation, Bombay-400020.	Emulsions.
133.	130808	Do.	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., of 30 Carel Van Bylandtlaan 30, The Hague, The Netherlands.	Apparatus for effecting the intimate mixing of two gaseous streams.
134.	130811	Do.	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., of 30 Carel Van Bylandtlean 30, The Hague, The Netherlands.	Improvements in and relating to the polymerisation of olefins.
135.	130813	Do.	RHONE-POULENC INDUSTRIES, 22 Avenue Montaigne, Paris, France.	Depositing precious metals on a metallic support.
136.	130840	5-4-1971	EASTMAN KODAK COMPANY, of 343 State Street Rochester, New York 14650, U.S.A.	Film cartridge.
137.	130841	Do.	HINDUSTAN LEVER COMPANY, Hindustan Lever House, 165-166, Backbay, Reclamation Bombay-400020.	Built laundry soap containing disproportionate resins.
138.	130842	29-11-1971	Do.	Detergent composition.
139.	130891	7-4-1971	UOP INC., at 10 UOP Plaza-Alogonquin and Mt. Prospect Roads, Des Plaines, Illinois, U.S.A.	Lubricating oil base stock production.
140.	130903	8-4-1971	ROHM AND HAAS CO., Independence Mall West, Philadelphia, U.S.A.	Modified vinyl halide polymers.
141.	130927	20-4-1972	PHILIPS PETROLEUM COMPANY, of Bartlesville Oklahama, U.S.A.	Microbiological aerobic fermentation process.
142.	130928	12-4-1971	FARBWERKE HOECHST A. G., of 45 Brunningstrasse, Frankfurt/Main, Federal Republic of Germany.	New day light fluorescent pigments.
143.	130948	13-4-1971	KENNEDY VAN SAUN CORPORATION, of Beavey Street, Danville, State of Pennsylvania, U.S.A.	Process and apparatus for prehcating limestone and the like.
144.	130950	Do.	PULLMAN INCORPORATED, 200 South Michigan Avenue, Chicago, U.S.A.	Production of high strength reducing gases.
145.	130955	Do.	RARBWERKE HOECHST A. G., of 45 Brunning strasse, Frankfurt/Main, Federal Republic of Germany.	Preparation of benzoxanthere and benzothioxanthene dicarboxylic acid imide-dyestuffs.

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146.	130977	14-4-1971	SULZER BROTHER LIMITED, of Winterthur, Switzerland.	A storage device of filamentory material
147.	130981	Do.	HINDUSTAN LEVER LIMITED, Hindustan Lever House, 165-166 Backbay, Reclamation, Bombay-20.	Metal cleaning process.
148.	130993	16-4-1971	IMPERIAL CHEMICAL INDUSTRIES LIMITED, Imperial Chemical House, Millbank, London, S. W. 1., England.	Glass reinforced polymer composites.
149.	131014	20-4-1972	PFIZER INC., of 235 East, 42nd Street, New York, New York-10017, United States of America.	Recovering pure trans isomer of 2-chloro-11-(3-piperazimylpropylidene)-(H-dibenz [b, e) oxepin.
150.	131041	Do.	PFIZER INC. of 235 East, 42nd Street, New York, New York-10017, United States of America.	Trialkoxy quinazolines.

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

132222.- .. M/s. Interstate Equipment Corporation.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No.	*Title of the Invention*
85132 (20-4-72)	Preparation of esters of N(2, 3-dimethyl-phenyl), authranilic acid.
115123 (20-4-72)	Process for preparing a medicated adhesive tape.
121287 (20-4-72)	Process for the preparation of sustained release drug compositions.
129117 (20-4-72)	Process for preparing oxindole carboxamide compounds.
136582 (25-1-73)	Preparation of N-(1-ethyl-2-pyrrolidyl methyl)-2-methoxy-5-ethylsulphonyl-benzamide.
136630 (21-11-72)	Method and device for preparing urea particles.

RENEWAL FEES PAID

92041 92160 92248 92304 92490 92508 93834 97732 97783 97819 97944 97982 97991 98075 98740 101294 103652 103791 103833 103835 103848 104087 104098 104431 104739 109192 109193 109194 109195 109342 109345 109425 109461 109479 109497 109573 110008 110463 112245 112246 114426 114427 114454 114457 114555 114661 114683 114766 114947 115109 115110 115202 119083 119791 119794 119835 119839 119891 119895 119960 120002 120029 120063 120086 120303 120413 121649 122637 124030 124650 125099 125350 125400 125471 125525 126129 127786 130164 130165 130173 130191 130202 130217 130316 130345 130392 130631 130747 130775 130799 131046 132591 134536 134539 134540 134541 134542 134564 134616 134663 134669 134679 134783 135959 135960 136029 136145 136212 136525 136601 136645 136930 137421 137613 138006 138210 138229 138418 138614 138748 138821 138879 139038 139121 139160 139216 139538 139551 139722 139732 140317 140440 140666 141242 141291 141393 141477 141543 141597 141604 141621 141686 141697 141853 142358 142686 143128 143236 143406

CESSATION OF PATENTS

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REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No. 146853. Ideal Cottage Industry, Chand Pole Bazar, Jaipur, an Indian Sole Proprietary Concern. "Rubber Stamps". March 27, 1978.

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Design No. 141018 .....Class 1.
Design Nos. 141252, 141359 & 141360 .....Class 3.
Design Nos. 141357 & 141358 .....Class 10.

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Design No. 134096. ..... Class 4.
Design No. 134024. ..... Class 5.

S. VEDARAMAN
Controller-General of Patents, Designs and Trade Marks.

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